

SAFETY DATA SHEET

DYNOSEEDS® TS

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name	DYNOSEEDS® TS
Synonyms, trade names	TS10, TS20, TS40, TS80, TS140, TS250, TS500
Applications	Raw material for plastic processing.
Supplier	Microbeads AS Vestvollveien 8A P.O.Box 265, 2021 Skedsmokorset Norway Tel: +47-64 83 53 00 Fax: +47-64 83 53 01
Contact person	Rolf Nordal
Emergency telephones	Information-central: +44 1342 822844

2. COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS No.	Content	Symbol	R-phrases
polystyrene	202-851-5	9003-53-6	60-100 %	-	

See section 16 for explanations to R-phrases

3. HAZARDS IDENTIFICATION

Not regarded as a health, fire or environmental hazard under current legislation.

4. FIRST AID MEASURES

General	Remove victim immediately from source of exposure. General first aid, rest, warmth and fresh air. Get medical attention if any discomfort continues.
Ingestion	Rinse nose, mouth and throat with water. Give 2 or 3 glasses of water to drink. Do not give victim anything to drink if he is unconscious. Get medical attention.
Skin	Wash skin with soap and water.
Eyes	Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention if any discomfort continues.

5. FIRE FIGHTING MEASURES

Extinguishing media	Water spray, fog or mist. Foam. Carbon dioxide (CO ₂). Dry chemicals, sand, dolomite etc.
Special fire fighting procedures	Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out.
Specific hazards	The dust cloud is considered sensitive with respect to ignition, and adequate precautions must be taken during handling.
Hazardous combustion products	Fire or high temperatures create: Carbon monoxide (CO). Carbon dioxide (CO ₂).
Protective measures in fire	Wear self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products.

6. ACCIDENTAL RELEASE MEASURES

Personal protection	Wear appropriate personal protective equipment - see Section 8.
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Environmental protection	Runoff or release to sewer, waterway or ground is forbidden.
Spill cleanup methods	Limit spread of spilled material. Collect spilled material using mechanical equipment. Flush the area with water. Do not let washing down water contaminate ponds or waterways. Collect and reclaim or dispose in sealed containers in licensed waste. Inform Authorities if large amounts are involved.

7. HANDLING AND STORAGE

Usage precautions	Avoid handling which leads to dust formation.
Storage precautions	Keep in cool, dry, ventilated storage and closed containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient comments	Exposure limit for total inhalable dust is 10 mg/m ³ (8-hour TWA) and for respirable dust 4 mg/m ³ (8-hour TWA) (2001).
Protective equipment	



Process conditions	Use engineering controls to reduce air contamination to permissible exposure level. The concentrations of air pollutants shall be kept as far under the given exposure standards as possible. Unnecessary influence of pollutants shall be avoided and the conditions shall be proper. Provide eyewash station.
Ventilation	Well ventilated area.
Respirators	If ventilation is insufficient, suitable respiratory protection must be provided. Dust filter P2 (for fine dust).
Protective gloves	Use protective gloves made of: Rubber or plastic.
Eye protection	Use tight fitting goggles if dust is generated.
Other Protection	Wear appropriate clothing if necessary.
Hygienic work practices	Wash at the end of each work shift and before eating, smoking and using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Powder.		
Colour	White.		
Odour	Odourless or no characteristic odour.		
Solubility description	Insoluble in water.		
Density (g/ml)	1.05	Temperature (°C)	20
Flash point (°C)	> 100	Method	CC (Closed cup).

10. STABILITY AND REACTIVITY

Stability	Normally stable.
Conditions to avoid	Avoid contact with strong oxidisers.
Hazardous decomp. products	Fire or high temperatures create: Irritating gases/vapour/smoke.

11. TOXICOLOGICAL INFORMATION

Inhalation	Dust may irritate respiratory system or lungs.
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Ingestion	May cause irritation in the mouth and to the mucous membranes.
Skin	Dust may give mechanical irritation.
Eyes	Irritating to eyes.
Medical considerations	Symptomatic treatment.

12. ECOLOGICAL INFORMATION

Ecological information	It is no environmental data available.
Mobility	Insoluble in water.

13. DISPOSAL CONSIDERATIONS

Disposal methods	Dispose of at an approved land disposal site in accordance with local authority requirements.
Waste class	Non-hazardous waste.
Contaminated packaging	The product packaging must be disposed of in compliance with the country specific regulations.

14. TRANSPORT INFORMATION

General	Not classified as dangerous goods according to ADR / RID / IMDG / IATA.
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15. REGULATORY INFORMATION

Contains	polystyrene
Risk phrases	Not classified.
EU directives	Substances Directive 67/548/EEC as amended by 69/81/EEC, 70/189/EEC, 73/146/EEC, 75/409/EEC, 79/831/EEC General Preparations Directive 88/379/EEC.

16. OTHER INFORMATION

Explanations to R-phrases in section 2

* Information revised since the previous version of the SDS

User notes:	The synonyms describes the different particlesizes of the product.
Revision comments	No change in the classification and labelling of the product.
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